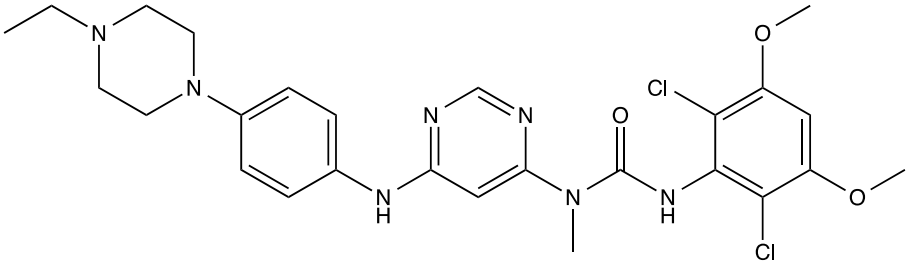
Catalog # 10-4817

NVP-BGJ398

CAS# 872511-34-7

Infigratinib; 3-(2,6-Dichloro-3,5-dimethoxyphenyl)-1-(6-{[4-(4-ethyl-1-piperazinyl)phenyl]amino}-4-pyrimidinyl)-1-methylurea

Lot # FBS1013



NVP-BGJ398 is a potent and selective pan-FGFR inhibitor (IC_{50} = 0.9nM, 1.4 nM, 1.0 nM, and 60 nM for FGFR1,2,3,4 respectively).[1] It has also been used in a mouse model of Achondroplasia (most common form of dwarfism) to correct pathological hallmarks of this condition.[2]

1) Guagnano *et al*. (2011), *Discovery of 3-(2,6-Dichloro-3,5-dimethoxyphenyl)-1-(6-{[4-(4-ethyl-1-piperazinyl)phenyl]amino}-4-pyrimidinyl)-1-methylurea (NVP-BGJ398), a Potent and Selective Inhibitor of the Fibroblast Growth Factor Receptor Family of Receptor Tyrosine Kinase* ; J.Med.Chem. **54** 7066

2) Komla-Ebri *et al.* (2016), *Tyrosine kinase inhibitor NVP-BGJ398 functionally improves FGFR3-related dwarfism in mouse model*; J.Clin.Invest. **126** 1871

PHYSICAL DATA

Molecular Weight:	560.48
Molecular Formula:	$C_{26}H_{31}Cl_2N_7O_3$
Purity:	>99% by HPLC
	NMR: Conforms
Solubility:	DMSO (5 mg/mL)
Physical Description:	White solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 2 months.

Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

www.focusbiomolecules.com